



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 3:44 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 447 Const Calendar Day: 184 Date: 05-Dec-2012 Wednesday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 07:00 AM 06:30 PM Break: 00:30 Over Time: 02:00

Federal ID:

Location:

Reviewer: Schmitt, Alex

Approved Date:

Status: Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition

Working Day ☒ If no, explain:

Diary:

Dispute

Cable Wrapping

Overview of Cable work today:

The following work was ongoing today on the Cable:

- Cable wrapping
- Installation of split collars
- Painting of suspender ropes
- Installation of suspender clamps

Today I was inspecting Mike Draper's crew on Cable wrapping on the North main-span & Tony Costs's crew on installation of split collars & other suspender bracket hardware at PP 106.. See the diaries of L. Woo, A. Schmitt, M. Bruce, V. Altamarano, & S. Soheilifard for additional details of Cable field work.

- I arrived at the pier 7 office at 07:00, & was on the bridge at 07:15. At this time, it was raining, & all crews were inside their break-room connex boxes waiting for the rain to stop.
- At 09:30, the rain stopped.
- From 09:30 until the end of the shift, Tony's crew was working on the installation of split collars, keeper plates, bearing plates, & shim stacks at PPs 106N & 106S. See below for observations on these operations.
- From 09:30 until 10:00, Mike's crew finished installing the "pull" wrapping machine on the Cable near PP 86.4N.
- From 10:00 until 11:20, Mike's crew was doing the S-wire butt splice near PP 86.4N.
- From 11:20 until 15:50, Mike's crew was wrapping the Cable with the "pull" machine. They wrapped about 1.3m during this time, & stopped when the machine ran up against the edge of the cable band (CB) at PP 86N.
- From 15:50 until 16:00, Mike's crew placed Cadwelds atop the Cable to secure the S-wire in place.
- From 16:00 until 16:15, Mike's crew loosely wrapped about 12 turns of the S-wire around the Cable to be used during hand wrapping.
- From 16:15 until the end of the shift, Mike's crew was removing the wrapping machine from the Cable.

Note: Since I was covering 2 crews today, there were times when the inspection on one of the crews was intermittent because I was spending more time with the other crew. During the morning, when Mike's crew was doing the S-wire butt splice, I spent more time with this crew, & only intermittently checked on Tony's crew. During the afternoon, a couple of issues arose; I spent the majority of my time with Tony's crew, & only intermittently checked on Mike's crew at the wrapping.

At PP 106S, the 4 split collars were installed.

At PP 106N, the following work was done:



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Wright, Doug

Diary #: 447

Date: 05-Dec-2012 **Wednesday**

- The 4 split collars that were installed yesterday with some issues were swapped around to check to see if there was a better fit. They were able to fit them so that all of the bolt holes through the bottom flange aligned. However, 2 of the bolt holes through the suspender bracket web did not align with the holes in the split collars. These 2 holes (both inboard holes) had to be enlarged slightly per RFI-3116.
- The bearing plates were installed below the bottom flange. Most of the bolt holes lined up. However, 4 of the holes were severely misaligned (up to 20mm). It was later discovered that the counter-bore on one side of the bearing plate (to countersink the bolts underneath the shim packs) were bored on the wrong side of the plate. The reason that the holes did not align was that the uphill & downhill bearing plates were swapped. These could not be placed in their proper location, because that would mean that the plates would be flipped over, & the counter-bore would not be on the bottom (which it needs to be). Instead of swapping the uphill & downhill plates to have the counter-bore on the bottom, the solution to this issue was swap to swap the eastbound bearing plates with the westbound bearing plates.
- The bearing plates from 106S were then installed at 106N, & they fit properly. All holes aligned correctly, & the taper across the bearing plate was oriented correctly. - Note: this issue was later discussed in the CAT meeting, & they agreed that this should be the proper solution.
- The bolts connecting the keeper plates & bearing plates to the bottom flange were tensioned by turn-of-the-nut method (snug, plus ½ turn).
- The shim stacks were installed.
- The suspender center marks were aligned with the top groove between CB halves.
- The operation to transfer the load from the temporary load transfer rods to the suspender ropes was started. - Note: the maximum pressure during this time was 4800 psi, which is well below the reduced do-not-exceed load of 5800 psi. At the end of the shift, the load was still on the temporary rods.

- At 17:00, the crews wrapped up their tools to end the shift.
- At 17:10, I left the bridge.
- From 17:20 until 18:00, I spoke with Roman Granados & Warren Collins regarding the fit-up issues at the PP 106 suspender brackets.
- From 18:0 until 18:30, I wrote my diary for the day & checked email.

04-0120F4 Bid Item: 067 C-PWS-WCS.067 Wrap Cable System

AMERICAN BRIDGE/FLUOR, A JV

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: AMERICAN BRIDGE/FLUOR, A JV								
Ironworker		JASON SHIRLEY	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker		THADDEUS BOOKER	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	Tony Miranda	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	MICHAEL DRAPER	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Semi-Skilled Laborer	APP	Armando Lomeli	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Semi-Skilled Laborer	APP	Leo Becerra	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	JNM	RYAN EVANCHIK	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	Robert Larue	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	APP	ZACHARIAH MACDONALD	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	JONATHON BISKNER	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	AUGIE SOLIS	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	CASEY LUX	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	FOR	ANTHONY COSTA	8.00	2.00	0.00	10.00		<input type="checkbox"/>

